43-490.fm Page 1 Friday, August 13, 1999 9:52 AM

Cat. No. 43-490

OWNER'S MANUAL

Please read before using this equipment.

Three-Station Wireless Intercom

RadioShack®

43-490.fm Page 2 Friday, August 13, 1999 9:52 AM

FEATURES

Your RadioShack Three-Station Wireless Intercom is an advanced three-channel intercom system that is convenient and easy to use. Installation is quick and simple. Simply plug each of the three supplied stations into a standard AC outlet, and you're ready to send and receive calls or to monitor an area where a station is installed. Each of your intercom's stations has the following features:

Precision PLL Circuit — provides clear and stable communications.

Built-in Frequency Modulation Circuit — reduces line noise and interference.

3-Channel Control — lets you communicate with both stations at once or talk privately to another station without disturbing the third.

Call Tone — alerts other stations before you start talking.

Lock — lets you set a station for monitoring or other one-way communication.

Power Indicator — lights to show that the station is on.

Talk Indicator — lights to let you know when you are transmitting to other stations.

© 1997 Tandy Corporation.
All Rights Reserved.
RadioShack is a registered trademark used by Tandy Corporation.

43-490.fm Page 3 Friday, August 13, 1999 9:52 AM

WARNING: To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.

CAUTION

RISK OF ELECTRIC SHOCK.
DO NOT OPEN.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.

This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

The graphical symbols with supplemental markings are on the bottom of the unit.

43-490.fm Page 4 Friday, August 13, 1999 9:52 AM

CONTENTS

Installation 5
Mounting the Stations 6

Operation 7
Setting the Channel 7
Turning a Station On and Off/
Adjusting the Volume 8
Calling Another Station 9
Monitoring 10
Using Additional Stations 12

Care and Maintenance 13
The FCC Wants You to Know 14

43-490.fm Page 5 Friday, August 13, 1999 9:52 AM

INSTALLATION

You can install the stations almost anywhere there is a standard AC outlet. Simply plug each station into an AC outlet, then place it directly on a desk, shelf, or table, or mount it on a wall.

Important: You must connect all of the stations to AC outlets connected to the same power line transformer. All AC outlets in most residential and many commercial properties are connected to the same power line transformer. Stations can transmit up to 300 feet and between buildings as long as they are connected to the same power line transformer.

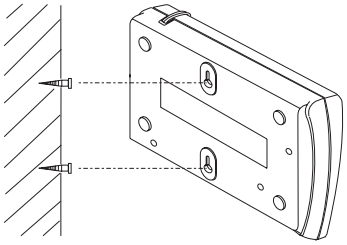
Caution: To prevent electric shock, one blade on the power cord's plug is wider than the other and the plug fits only one way. If you cannot easily insert the plug, turn it over and try again. Do not force it.

Note: Make sure you install the stations at least 10 feet away from each other. Placing the stations too close together produces feedback and creates a squealing sound.

43-490.fm Page 6 Friday, August 13, 1999 9:52 AM

MOUNTING THE STATIONS

To mount a station on the wall, you need two screws (not supplied). The screws must have heads that fit into the keyhole slots on the bottom of the stations.



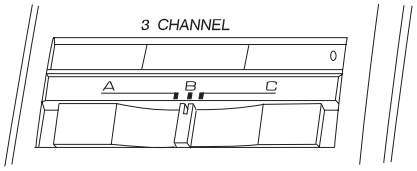
Follow these steps to mount a station on the wall.

1. Select a location for the station. Then mark the mounting screw locations on the wall $2\frac{9}{16}$ inches (65.80 mm) apart, one above the other.
2. Drill two holes at the marked locations.
3. Thread a screw into each hole until the screw's head extends about $\frac{1}{8}$ inch from the wall.
4. Align the keyhole slots on the bottom of the station with the screw heads in the wall, then slide the station down onto the screws to secure it.

OPERATION

SETTING THE CHANNEL

Each station has three channels so you can select which station or stations you want to communicate with. You can also use a station to monitor sounds near another station.



For example, you could set the station you installed in the kitchen to Channel A, a station you installed in the family room to Channel B, and a station you installed in a bedroom to Channel C. Then, using the station installed in the kitchen, you can communicate with the station in the family room by setting the channel selector to **B,** or with the station in the bedroom by setting the channel selector to **C**.

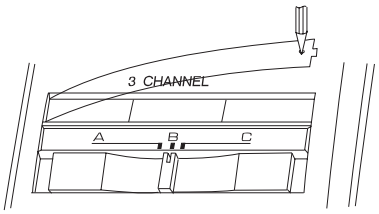
Or, if you set all stations to Channel A, you can communicate with both of the other two stations from any station.

Set the channel selector on each station as follows:

- If you want all the stations to communicate with each other at the same time, set all stations to the same channel.

- If you want to use a station to communicate with only one of the other stations, set only those stations to the same channel.

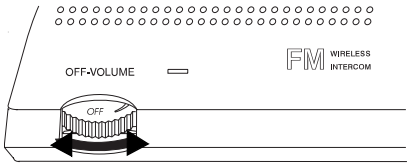
Note: To keep a record of each station's channel letter, insert a pointed object such as the tip of a pencil into the hole on the cover above the channel selector to remove it. Then, write the location of each station and the channel each is set to in the space provided. Use a pencil in case you want to change it later.



TURNING A STATION ON AND OFF/ ADJUSTING THE VOLUME

Rotate **OFF-VOLUME** to the left until it clicks. The station's power indicator lights. Then adjust **OFF-VOLUME** to a comfortable listening level. To turn off the station, rotate **OFF-VOLUME** to the right until it clicks.

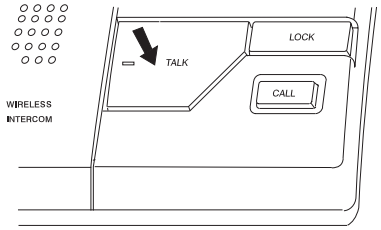
43-490.fm Page 9 Friday, August 13, 1999 9:52 AM



CALLING ANOTHER STATION

1. Be sure the stations you plan to use are turned on and adjusted to the desired volume.
2. Set the channel selector to the channel (**A**, **B**, or **C**) for the station(s) you are calling.
3. Press **CALL**. Each station that is turned on and set to the selected channel sounds a tone.

4. Hold down **TALK** and speak in a normal voice. When you finish speaking, release **TALK** and listen for the response.



43-490.fm Page 11 Friday, August 13, 1999 9:52 AM

Notes:

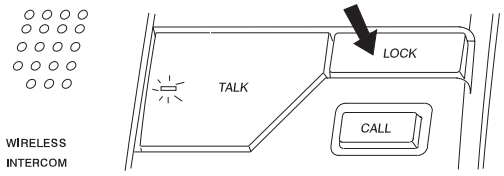
- Only one party can talk on a channel at a time.
- The TALK indicator on the station you are using remains lit as long as you hold down **TALK** or **CALL**, or when you press **LOCK** (see “Monitoring”).
- If your voice sounds distorted, you might be speaking too loudly or too close to the microphone.
- Be sure to set the channel selector back to your designated channel after you finish talking, so others can easily reach you.

MONITORING

You can set any station so it continuously transmits sounds in the area where it is located to another station. For example, you could set the station in a baby’s bedroom to pick up any sounds in that bedroom, then use the station in the kitchen to monitor the sounds.

Note: You can monitor only one station at a time.

1. Press **LOCK** on the station in the area you want to monitor. The TALK indicator lights.



Note: The TALK indicator stays lit until you press **CALL** or **TALK**. This lets you know that the station is transmitting to another station.

2. Set the channel selector on both stations to the same channel.

3. When you finish monitoring, press **TALK** or **CALL** on the station in the area you are monitoring to release the lock. The TALK indicator turns off.

Note: When you press **LOCK** on a station, you cannot call or talk to that station until you press **TALK** or **CALL** to release the lock.

43-490.fm Page 13 Friday, August 13, 1999 9:52 AM

USING ADDITIONAL STATIONS

You can add additional stations to your intercom system. We recommend any RadioShack wireless intercom (such as Cat. No. 43-225) that has stations that transmit on the following frequencies:

Channel	Frequency (±2.5 kHz)
A	200 kHz
B	270 kHz
C	230 kHz

Note: If you want to set up a separate intercom system, be sure it operates on a different frequency.

43-490.fm Page 14 Friday, August 13, 1999 9:52 AM

CARE AND MAINTENANCE

Your RadioShack Three-Station Wireless Intercom is an example of superior design and craftsmanship. The following suggestions will help you care for your intercom stations so you can enjoy them for years.

Keep the intercom stations dry. If they get wet, wipe them dry immediately. Liquids might contain minerals that can corrode the electronic circuits.

Use and store the intercom stations only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.

Keep the intercom stations away from dust and dirt, which can cause premature wear of parts.

Handle the intercom stations gently and carefully. Dropping them can damage circuit boards and cases and can cause the intercom stations to work improperly.

43-490.fm Page 15 Friday, August 13, 1999 9:52 AM

Wipe the intercom stations with a damp cloth occasionally to keep them looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the intercom stations.

Modifying or tampering with the intercom's internal components can cause a malfunction and might invalidate your intercom's warranty and void your FCC authorization to operate them. If your intercom stations are not performing as they should, take them to your local RadioShack store for assistance.

THE FCC WANTS YOU TO KNOW

Your intercoms might cause TV or radio interference even when they are operating properly. To determine whether your intercoms are causing the interference, turn them off. If the interference goes away, your intercoms are causing it. Try to eliminate the interference by:

- Moving your intercoms away from the receiver
- Connecting your intercoms to outlets that are on a different electrical circuit from the receiver

43-490.fm Page 16 Friday, August 13, 1999 9:52 AM

Limited Ninety-Day Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for ninety (90) days from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow the limitations on how long an implied warranty lasts or the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RadioShack Customer Relations, Dept. W, 100 Throckmorton St., Suite 600,
Fort Worth, TX 76102

We Service What We Sell *3/97*

RadioShack
A Division of Tandy Corporation
Fort Worth, Texas 76102

811080730A
6A7 Printed in China